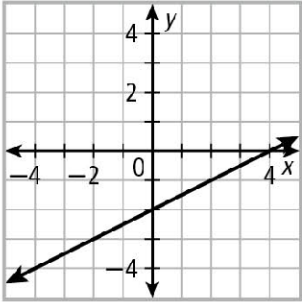
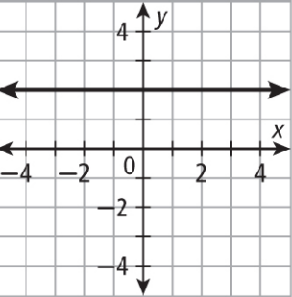
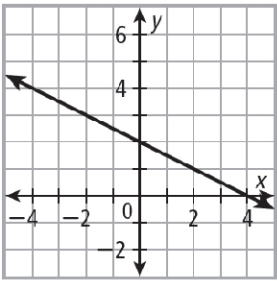
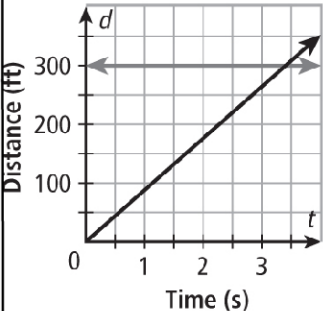
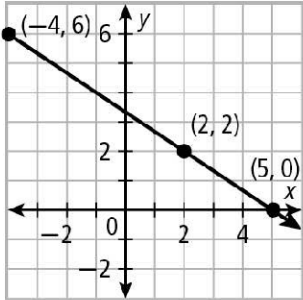


| Question | Answer |
|----------|--|
| 13. | $y + 2 = 2x$ |
| 15. | $y + 4 = \frac{2}{3}(x - 6)$ |
| 17. |  |
| 18. |  |
| 19. | intersect |
| 20. | |
| 21. | coincide |
| 23. | \$1000 per week |

| Question | Answer |
|----------|--|
| 28. | $y - 2 = -\frac{1}{2}x$  <p>A coordinate plane with x and y axes. The x-axis is labeled from -4 to 4 with major grid lines every 2 units. The y-axis is labeled from -2 to 6 with major grid lines every 2 units. A line is graphed passing through the points (0, 2) and (4, 0). The line has arrows at both ends, indicating it extends infinitely in both directions.</p> |
| 32. | B is incorrect. In B, the x— and y— values of the pt. used to find the pt. — slope form are interchanged. |
| 36. | no |
| 53a. | <p style="text-align: center;">Distance Traveled</p>  <p>A graph titled "Distance Traveled" showing the relationship between time and distance. The vertical axis is labeled "Distance (ft)" and has major tick marks at 0, 100, 200, and 300. The horizontal axis is labeled "Time (s)" and has major tick marks at 0, 1, 2, and 3. A straight line starts at the origin (0, 0) and passes through the point (3, 300). A horizontal dashed line is drawn at the 300 ft mark on the y-axis, intersecting the line at t = 3.5 s.</p> |
| 53b. | the time when the car has traveled 300 ft |
| 53c. | Possible answer: 3.5 s |

| Question | Answer |
|----------|---|
| 56. | <p>The slope of the line is $m = \frac{2 - 6}{2 - (-4)} = -\frac{2}{3}$. The pt.-slope form of the line is $y - 6 = -\frac{2}{3}(x + 4)$. To see if the line crosses the x-axis at (5, 0), substitute 5 for x and 0 for y:</p> $0 - 6 = -\frac{2}{3}(5 + 4)$ $-6 = -\frac{2}{3}(9)$ $-6 = -6$ <p>These values make the equation true, so (5, 0) is on the line.</p>  |
| 57. | <p>The top line passes through $(-4, 0)$ and $(0, 3)$, so its slope is $m = \frac{3 - 0}{0 - (-4)} = \frac{3}{4}$. The bottom line passes through $(0, -2)$ and $(3, 0)$, so its slope is $m = \frac{0 - (-2)}{3 - 0} = \frac{2}{3}$. The lines do not have same slope, so they are not parallel.</p> |